

NOTEWORTHY GRASSES FROM MEXICO XI.

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For previous papers see Phytologia 27:1974; 28:1974; 30:1975; 35:1977; 38:1978; 47:1981; 49:33-43; and 52:11-17, 1981.

Bouteloua barbata Lag. var. arenosa (Vasey) comb. nov.

Bouteloua arenosa Vasey, U.S. Div. Bot. Bull. 12(1):
Pl. 34. 1890.

Bouteloua hirsuta Lag. var. Cienc. 4:141. 1805.

f. vivipara form. nov.

"Haec forma a forma typica speciei spiculae viviparae"

Plants similar to Bouteloua hirsuta Lag. but the spikelets proliferating.

Type: G. Galván 481 collected Mexico, State of Tamaulipas, Ejido 5 de Mayo, mpio de Soto La Marina, Palmar de Sabal Mexicana a 140 msnm.

Eragrostis secundiflora Presl var. capitata (Fourn.) comb. nov.

Poa oxylepis Torr. in Marcy, Expl. Red River 301,
Pl. 19. 1853.

Eragrostis oxylepis (Torr.)Torr. U.S. Expl. Miss.
Pacific. Rept. 4:156. 1857.

Eragrostis secundiflora Presl. ssp. oxylepis (Torr.)
Koch, Rhodora 80:397. 1978.

Eragrostis verae-crucis Rupr. Bull. Acad. Brux.
9:235. 1842, nomen; Fourn. Mex. Pl. 2:118. 1886,
nomen.

Megastachya oxylepis var. capitata Fourn. Mex. Pl. 2:118. 1886.

Megastachya oxylepis (Torr.) Fourn. Mex. Pl. 2:118. 1886.

Sheaths and blades glabrous, except for a tuft of hairs flanking the base of the blade at the top of the sheath.

E. secundiflora var. capitata

Sheaths and both sides of the blades typically densely covered with long pustulate-based hairs.

E. secundiflora var. secundiflora

Eriochloa lemmoni Vasey & Scribn. Bot. Gaz. 9:185. Pl. 2. 1884.
var. minor (Vasey) comb. nov.

Eriochloa punctata (L.)Desv. ex Hamilton var. minor
Vasey, Contrib. U.S. Nat. Herb. 3:21. 1892.

Eriochloa gracilis var. minor (Vasey) Hitchc. Jour.
Wash. Acad. Sci. 23:456. 1933.

Helopus gracilis Fourn. Mex. Pl. 2:13. 1886.

Eriochloa lemmoni var. gracilis (Fourn.) Gould,
Leafl. West. Bot. 6:51. 1950.

Ichnanthus pallens (Sw.) Munro f. monstrosum (Fourn.) comb. nov.

Panicum schlechtendalii Fourn. var. monstrosum
Fourn. Mex. Pl. 2:31. 1886.

Ixophorus Schlecht has usually been treated as a monotypic genus but it appears that there are two species which may be keyed as follows:

Slender annual with culm base 1-2 mm wide, not succulent; leaves less than 5 mm broad; raceme branches 2-5.

Ixophorus palmeri

Robus annual or short-lived perennial with culm base 5 mm or more wide, succulent; some leaves more than 1 cm wide; raceme branches 10 to many.

Ixophorus unisetusIxophorus palmeri (Vasey) comb. nov.Panicum palmeri Vasey, Contr. U.S. Nat. Herb. 1:281. 1893.Panicum pringlei Vasey, Contr. U.S. Nat. Herb. 1:363. 1895.Panicum schiedeanum Trin.; Beal, Grasses N. Amer. 2:119. 1896.Ixophorus pringlei (Vasey) Scribn. U.S. Dept. Agr. Div. Agröst. Bull. 4:6. Pl. 2. 1897.Ixophorus pringlei var. minor Scribn. U.S. Dept. Agr. Div. Agröst. Bull. 4:7. 1897.Ixophorus palmeri (Vasey) comb. nov.Panicum palmeri Vasey, Contr. U.S. Nat. Herb. 1:281. 1893.

Annual, culms slender ephemerical, 1-2 mm broad at base, sheaths glabrous; ligule membranaceous, ca. 1 mm long, somewhat erose or finged, sometimes with a few long white hairs at the collar; blades glabrous, up to 10 cm long, less than 5 mm broad.

Panicle composed of two to five racemose branches well exserted above the blades, each spikelet subtended by a single awn-like projection up to 8 mm long; first glume ca. 1 mm long, second glume and lemma of the lower staminate floret 3-4 mm long, concealing the lemma of the upper pistillate floret.

Described from Jalisco (Tequila); native, endemic, apparently confined to the Jalisco-Colima area.

Koeleria cristata (L.) Pers. var. elegantula (DomIN) comb. nov.Koeleria elegantula Domin, Bibl. Bot. 65:172. Pl. 14, f. 10. 1907.

This small-flowered type is a good geographical variety. Type collection, C. F. Baker 576 from Gunnison Colorado, seen in the U.S. Nat. Herb. The United States Forest Service herbarium now at Laramie, Wyoming has an excellent series of collections of this variety.

Leptochloa dubia (HBK)Nees, Syll. Pl. Ratisb. 1:4. 1824.

var. humboldtiana (Kuntze) comb. nov.

Diplachne dubia (HBK)Scribn. var. humboldtiana
Kuntze Rev. Gen. Pl. 3:349. 1898.

Panicum decolorans HBK. Nov. Gen. & Sp. 1:100. 1815.

var. parcum (Hitchc. & Chase) comb. nov.

Panicum parcum Hitchc. & Chase, Contr. U.S. Nat.
Herb. 15:68. F. 53. 1910.

Piptochaetium leianthum (Hitchc.) comb. nov.

Stipa leiantha Hitchc. Contr. U.S. Nat. Herb.
24:236. Pl. 51. fig. 8, 9. 1925, described from
Mexico: Puebla, near Esperanza; cf. Beetle
M-3000, a topotype.

Piptochaetium mexicanum (Hitchc.) comb. nov.

Stipa mexicana Hitchc. Contr. U.S. Nat. Herb.
24:247. Pl. 52, fig. 5, 6. 1925, described from
Mexico: State of Mexico, Sierra de las Cruces;
cf. Beetle M-254, a topotype.

Piptochaetium virescens (HBK)Parodi, Rev. Mus. La Plata,
Bot. n.ser. 6:223, 230. f. 10. 1944.

Stipa virescens HBK Nov. Gen. & Sp. 1:126. 1815.

Piptochaetium virescens (HBK)Parodi var. arsenii (Hack.)
comb. nov.

Stipa arsenii Hack. Repert. Sp. Nov. Fedde 8:515.
1910, described from Mexico: Michoacan, near
Morelia.

Setaria variifolium (Swallen) comb. nov.

Panicum variifolium Swallen, Carnegie Inst. Wash.
Publ. 436:345. F. 7. 1934.

Described from Mexico: Yucatan, Chichen Itzá.

Sporobolus airoides var. minor (Vasey) comb. nov.

Sporobolus altissimus Vasey var. minor, Vasey,
Calif. Acad. Sci. Proc. II. 2:213. 1889.

Trachypogon plumosus (H. & B. ex Willd.) Nees var. secundus
(Anderss.) comb. nov.

Trachypogon preslii var. secundus Anderss.
Öfvers Svensk. Vetensk. Akad. Förhandl. 14:50. 1857

Triplasis caribensis (Pohl) comb. nov.

Triplasis purpurea (Walt.) Chapm. var. caribensis
Pohl, Iowa State Jour. Res. 47:76. 1972.

Now added to the Mexican grass flora. Collected by
Andres Suarez, coastal dunes, Cuauhtemotzin, Tabasco.